

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/002304

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F15B20/00 F15B11/024

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F15B F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/121087 A1 (CASSE CHRISTOPHE LIONEL RENE ET AL) 5 September 2002 (2002-09-05) paragraphs '0032! - '0050!; figures 1-4	1-4, 15-18
A	-----	5,19-21
A	GB 2 318 426 A (ULTRONICS LIMITED ; ULTRA HYDRAULICS LTD (GB)) 22 April 1998 (1998-04-22) abstract; figure 1	1,15
A	GB 2 053 419 A (SINGER CO UK LTD) 4 February 1981 (1981-02-04) abstract; figure 1	1,15
A	US 6 193 627 B1 (BART JOERG) 27 February 2001 (2001-02-27) abstract; figures 2-4	1,6-15, 22,23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
19 October 2004	27/10/2004
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  Daleff, B

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Information on patent family members

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